

A new generation of Sound Level Meters & Frequency Analyzers

Built on proven experience, designed for the future!

With thousands of units sold worldwide, the trusted HD2110L and HD2010UC/A models **are now making way for the next generation: the XPT800 & XPT801 series.**

Designed for professionals, these instruments combine cutting-edge technology, reliability, and versatility to cover all your precision acoustic measurement needs.



Why it's time to move forward?

- **OUTSTANDING PERFORMANCE** - Metrological performance among the best on the market.
- **FULL COMPLIANCE** - Compliant with the relevant technical standards IEC 61672-1:2013 class 1.
- **MODERN INTERFACE** - Smartphone-like operation with touch or keypad for maximum ease of use.
- **ALWAYS CONNECTED** - Wi-Fi, Ethernet and 4G-LTE built-in.
- **ENHANCED APPLICATIONS** - Improved functionality for all reference measurements.
- **EXTENDED CAPABILITIES** - New advanced features for additional uses (e.g. intelligibility).
- **POWERFUL SOFTWARE** - New Noise Studio 2.0 redesigned adding advanced data analysis features and strongly enhanced usability; in addition cloud storage, sharing and device management.
- **ROBUST DESIGN** - Reliable build for demanding indoor and outdoor use.
- **GUARANTEED SUPPORT** - Service, spare parts and expertise from a leading international group.
- **OBSOLESCENCE OF OLD MODELS** - Ensure continuity and support by moving to the new generation.

Ready-to-Use Application Kits



EXPERT LOGGER SLM - Precision monitoring of sound levels with reliable long-term data.



ENVIRONMENTAL NOISE EXPERT - Complete solution for outdoor and environmental noise surveys.



BUILDING ACOUSTICS - Tools for reverberation, insulation and building performance testing.



ENVIRONMENTAL + BUILDING ACOUSTICS - Combined package for complex environmental and building projects.



INTELLIGIBILITY - Accurate evaluation of speech clarity in communication systems.



LOGGER SLM (XPT801) - Robust kit for continuous sound level logging in any setting.



WORKPLACE NOISE (XPT801) - Dedicated to assessing worker noise exposure and safety compliance.



ENVIRONMENTAL NOISE (XPT801) - Precise outdoor noise monitoring tailored to regulations.

At a Glance: Specification Comparison



HD2010UC/A vs XPT801

HD2110L vs XPT800

GENERAL FEATURES

	From 125 ms	From 100 ms	From 31.5 ms	From 10 ms
Datalogging	8 MB	4 GB	8 MB	4 GB
Internal memory	SD 2GB	X	SD 2GB	USB Stick
External memory	✓	✓	✓	✓
Cloud storage service	X	✓	X	✓
Hi-Resolution Colour Display	X	✓	X	✓
Touch Display	X	✓	X	✓
One-handed use	X	✓	X	✓
Embedded Wi-fi	X	✓	X	✓
Embedded LTE-4G Modem	X	✓	X	✓
Embedded Ethernet port	X	✓	X	✓
High-Speed USB interface	X	CLIENT	X	HOST/CLIENT

OCCUPATIONAL NOISE

Up to 175 dB (with special microphone)	X	✓	X	✓
Upgradable to ENV Noise functionalities	X	✓	✓	✓
H&S desktop analysis app (NS1)	✓	✓	✓	✓

ENVIRONMENTAL NOISE

Extension of the complete measuring range to a single range	X	✓	X	✓
Linear operating range (dBA) IEC61672	30-137	25-137	23-137	20-137
1/3 oct	25Hz-12.5kHz	20Hz-20KHz	16Hz-20KHz	6.3Hz-20KHz
Battery autonomy	6-8 hours	>24 hours	6-8 hours	>24 hours
Rechargeable battery pack	✓	✓	X	✓
ENV desktop analysis app (NS-ENS)	✓	✓	✓	✓
FFT narrow band spectral analysis	X	X	✓ 200 lines	✓ 16000 lines
Tonality detectors (on-board)	X	X	X	✓
Impulsivity detectors (on-board)	X	X	X	✓
Sliding Levels (moving avg)	X	X	X	✓
Audio Recording - Exceedences	X	✓	X	✓
Periodic Levels: Ldn, Lden, Lday, Lnight...	X	X	X	✓
Filtered real time audio playback	X	X	X	✓
Automatic Data Sync on Cloud	X	✓	X	✓

BUILDING ACOUSTIC

Reverberation time (T60)	✓	X	✓	✓
T60 quality criteria	X	X	X	✓
BA desktop analysis app (NS-SIS)	✓	X	✓	✓
Embedded Signal Generator	X	X	X	✓
Noise Criteria	X	✓	X	✓

SPEECH INTELLIGIBILITY (EVAC-PA)

STI/STIPA	X	X	X	✓
Embedded Signal Generator	X	X	X	✓

Availability and Transition

The HD2110L and HD2010UC/A models will remain available for orders until 31st December 2025. Starting from 1st January 2026, only the new XPT800 & XPT801 models will be supplied.